19981013.qrp v01_n243.qrs.981013

Date: Tue, 13 Oct 1998 19:03:10 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1243

QRP-L Digest 1243

Topics covered in this issue include:

    by Ab7wy@aol.com
20) [22158] Re: HB PCBs
    by Steven Weber <kd1jv@moose.ncia.net>
21) [22159] NOT QRP: WIN 98 Question
    by "Bill Todd" <bill@willapabay.org>
22) [22160] MY SGC SG-2020-C
    by Ed Tanton <n4xy@att.net>
23) [22161] Re:Resonant Speakers
    by n2tpa@juno.com (Bill d Lazure)
24) [22162] Y2K & Foxhunt Millenium Clock... ?
    by "Radman" <radman@best.com>
25) [22163] Charging NiMH batteries?
    by Arjen Raateland <Arjen.Raateland@vyh.fi>
26) [22164] IF dsp & filters
    by "Jerry W. O'Dell" <jwodell@ameritech.net>
27) [22165] Re:Resonant Speakers
    by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
28) [22166] QRP Events
    by Joseph Mikuckis <k3chp@erols.com>
29) [22167] CAROLINA'S NOVEMBER QRP-FEST
    by DLShips@aol.com
30) [22168] Re:Resonant Speakers
    by "Bob Barry" <rbarry@vnet.ibm.com>
31) [22169] Frequency meter?
    by nhoop@centuryinter.net (N H)
32) [22170] Bencher straight key for sale
    by Scott Howell <whowell@hq.nasa.gov>
33) [22171] regarding Bencher straight key
    by Scott Howell <whowell@hq.nasa.gov>
34) [22172] Re: Resonant Speakers
    by mitch96 <mitch96@pobox.com>
35) [22173] Hamstick - Dipoles
    by "Bryan Turner" <turnerw@email.uah.edu>
36) [22174] Re: Frequency meter?
    by DNT1@chrysler.com
37) [22175] Re: Who to contact for QRP Quarterly problems
    by "Vincent Ferme" <vferme@sprint.ca>
38) [22176] Re: Who to contact for QRP Quarterly problems
    by applitech@mcg.net (Claton Cadmus)
39) [22177] antena question
    by Scott Howell <whowell@hq.nasa.gov>
40) [22178] For Sale TenTec Scout 555
    by Jerry Haigwood <w5jh@swlink.net>
41) [22179] re: Resonant Speakers
    by "Bob Barry" <rbarry@VNET.IBM.COM>
42) [22180] Inside-out antenna??
    by Ronald_A_Pfeiffer@res.raytheon.com
43) [22181] Re: QRP Events

by Bill Jones <kd7s@psnw.com>
44) [22182] Re: IF dsp & filters
by Vic Rosenthal <rakefet@rakefet.com>
45) [22183] Jamboree on the Air
by rhiller@sysdev.com (Rick Hiller)
46) [22184] Re: NOT QRP: WIN 98 Question
by "Bill Todd" <bill@willapabay.org>
47) [22185] Re: QRP Events
by "Vincent Ferme" <vferme@sprint.ca>
48) [22186] Re: NOT QRP: WIN 98 Question
by "Bill Todd" <bill@willapabay.org>
49) [22187] FOX - 10/16
by Brad Mugleston <bmug@gwl.com>
50) [22188] HW-8 main tuning cap problem
by wctrautfield@west.raytheon.com
51) [22189] October is a QRP Month
by jaywa5whn@juno.com
52) [22190] October is a QRP Month -Reply
by Bob Reynolds <breynold@sigg.com>
53) [22191] Bay Area Activities
by Chris Trask <ctrask@primenet.com>
54) [22192] Re: LM386 question
by Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
55) [22193] Re: QRP Events
by Shephed@aol.com
56) [22194] question on sending mail to
by Scott Howell <whowell@hq.nasa.gov>
57) [22195] RE: question on sending mail to
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
58) [22196] Re: resonant speakers
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
59) [22197] help with 440 25w amp
by David Shalita <af389@lafn.org>
60) [22198] Re: Hamstick Dipole
by "Laurent C. Lafond" <aa1qj@loa.com>
61) [22199] More HW-8 tuning cap plates fall off
by "Mike Czuhajewski" <wa8mcq@erols.com>
62) [22200] Sick 1000-D
by "Barnaby J.O'Leary" <barnaby@ap.net>
63) [22201] Bikini-clad Sumo Wrestling Babes-QRP, really!
by n4js@pobox.com (John Sielke)
64) [22202] Re: More HW-8 tuning cap plates fall off
by "Ed Hare, W1RFI" <ehare@arrl.org>
65) [22203] Re: HB PCBs
by Roger Traylor <traylor@ECE.ORST.EDU>
66) [22204] LM386 question answered
by "Allan (Grant) Taylor" <k7gt@qsl.net>
67) [22205] Art Bell Update!

Date: Mon, 12 Oct 1998 16:01:09 -0700
From: "Allan (Grant) Taylor" <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [22139] Re: 2m CW rigs
Message-ID: <36228A35.101D@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Tentec transverter, the 1210, requires a 28 MHZ input to convert
to 144 MHZ. The previous post to the effect that TT made a 14MHZ to
144 MHZ transverter is in error. (When the transverter was announced
about a year ago, I had hoped that 14 MHZ would be the IF... not so,
however, which is a problem as there are few QRP rigs that can generate
sufficient RF at 28 MHZ to drive it).

They DO make a 14 MHZ to 50 MHZ transverter, however.
--
73 de K7GT

Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: http://www.qsl.net/k7gt/index.html

Date: Mon, 12 Oct 1998 19:26:10 -0400
From: Ed Tanton <n4xy@att.net>
To: barry.p.keating.1@nd.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22140] Re: What is this component ???
Message-ID: <3.0.5.32.19981012192610.00bcc8a0@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Barry... that is most likely a transient suppressor... a varistor. I don't recognize the number... but where it is on the circuit board will tell you a lot. It is probably on the primary side of the power transformer, across the AC input, probably with the fuse and ON-OFF switch "closer" to the AC line input than it.

It MAY be across the output side of the transformer, in which case, same thing, only it is a low voltage AC varistor.

It may be somewhere in the DC path, from the + DC bus to ground. If so, it is simply a DC varistor, or being used as one anyway.

Finally, there are some thermal current limiters it could possibly be, though I doubt it. In that case, it would be IN SERIES somewhere.

I think it's likely it is a varistor that took a REALLY good lightning hit and literally blew. If so, that would NOT be the cause of your inoperative PS, and you will have to look for whatever else died along with it.

1. Check regular fuse. Probably blown. If so, replace it and see if the PS works. If it blows the fuse again, then:
2. Measure across the primary xfmr winding... ought to be low, but, but with continuity.
3.Same thing for secondary. You're going to have to isolate the diode (probably bridge) anyway, so pull the leads so you can check the diodes separately. That also will then give you isolated xfmr sec. leads.
4. If this was enough lightning/whatever surge to fracture your varistor, then you'll be lucky not to have lost some of your main rectifier bridge. Check those diodes. If OK, then-before hooking them back up-measure the resistance of the +DC output line to ground, using your ohms x 10k or x 100k scale. Should initially deflect low, then rise as the caps charge. If it stays low, probably shorted cap. Hook the xfmr and bridge back together.

5. If nothing has been wrong up to now-or if you have replaced what you have found as you went along, and it STILL doesn't work... it will probably be a bad regulator IC and / or the pass transistors.

6. You can still learn some stuff with just your DVM... put it on a scale that WILL forward bias a silicon junction* (it should have already been there for the steps above) and check the regulator (if 3 terminal) for shorts amongst the pins, OUT OF SOCKET-or w/wires removed. A short in both directions (e.g. checked with leads +/- as well as -/+ across the two terminals being measured/checked means a bad device, transistor/whatever. Use the lowest scale that will forward bias a silicon junction... for all bipolar (e.g. not FET/MOSFET/etc.) power devices. Be careful using that low ohms scale to check smaller transistors and FETs... it can provide enough current to zap the lower power transistors-such as 2N3904.

I hope this helped... you just have to find where the voltage stops, and why.

* Basically, the meaning there is that the DVM/VOM is supplying > ~1.3/whatever volts to the device under test. If you put the + side of the DVM to the anode, and the - side to the cathode (banded end) the diode ought to conduct and indicate some resistance reading. (The reading you get from fwd-biasing a diode or transistor is ONLY an indication that you have turned the device on-NOT a true ohms reading. But that's fine... you just want to know if the thing will conduct. Next reverse the leads... + to banded-cathode end... and - to the anode end. It should NOT conduct in that direction. Do not use that low ohms scale to check germanium diodes (1N34/1N60/1N270) either. Too much current possible.

Let me know how it comes out!
73

_____
Ed Tanton N4XY EMAIL: n4xy@att.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX
_____
INTERESTS: QRP BoatAnchors Test Equipment Photography
CW: 99.9% Mercury Paddle # 0214 QRP to 150W: 95%
~~~~~~
"Think you can, think you can't: either way you're right!" Henry Ford
~~~~~~

Date: Tue, 13 Oct 1998 00:00:13 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [22141] Wasted Post.
Message-ID: <3622980D.1E69@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Friends, I wasted the time of many of the people on the list with
my last post about Pacificon.

I am sorry.

I had received about 30 emails these last few months from members asking
if I was going to pacificon. I did not save these emails
and my last was a blanket post to share the change in my status.

I have once again been informed that this is not appreciated.

Ergo I shall endeavor to post more meaningful information.

I hope there are no spelling errors here; More hate mail...

Sorry for wasting your time.

Ed Loranger we6w/qrt

Date: Mon, 12 Oct 1998 19:28:30 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <Sachsarch@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22142] Re: using whip ant's as dipole
Message-ID: <01bdf640$67165aa0$LocalHost@betsy>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Marv,

You may try placing a little inductance or capacitance across the feedpoint.
The problem is probably due to the impedance being something other than 50
Ohms even at resonance (probably much lower than 50 Ohms). I've had that
problem before when I constructed a very short 20 meter dipole and after
placing a few turns of inductance across the feedpoint I obtained a good
match. There other ways of course to match the antenna but this method

worked well for me.

73,
Steve Yates
AA5TB
Fort Worth, TX
http://home.swbell.net/aa5tb

Date: Mon, 12 Oct 1998 17:46:10 -0700 (PDT)
From: herr@ridgecrest.ca.us (Michael Herr)
To: qrp-l@Lehigh.EDU
Subject: [22143] !0 meter is wide open!
Message-ID: <v01530500b247f284c45c@[208.138.142.162]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Man oh man, is 10 meters open!. Just worked PY, JA and ZL at 2 watts and a
80 meter zepp. Like shooting fish in a barrel!
72
Mike WA6ARA

Date: Mon, 12 Oct 1998 21:02:35 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net
Cc: qrp-l@Lehigh.EDU
Subject: [22144] Ts570'D/G' and Pro-2050 for sale revised
Message-ID: <3.0.5.32.19981012210235.007d3100@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

what has changed is some additional items I for got in the original msg and
some other verbage.
All items are insured for full replacement value. No reasonable offers
refused.

>>>
>>>Kenwood Ts570D/G with 400Hz IRAD Filter, speech board (gives frequency,
menu option, and other feedback), all manuals, original cartons, and hand
mic. Rig has not been modified, has been in a non-smooking enviromnment,

and is in ment condition. Also, Audio Technica pr-40 microphone with desk stand, heil mic/ptt adapter, and foot switch are also included.

>>>For more info on the Ts570 go to http://www.kenwood.net or E-mail me for more details at whowell@mail.hq.nasa.gov
>>>Asking $1,100 insured and shipped or make me an offer.
>>>
>>>Radioshack pro-2050 trunk tracker scanner in ment condition, asking $185 shipped/insured.
>>>Covers all popular bands, no mods, all manuals, original cartons.
>>>For More info at http://www.theshack.com or E-mail me at whowell@mail.hq.nasa.gov
>>>
>>>tnx es 73 de Scott/n3byy
>>>Laurel, MD
>>>

Date: Mon, 12 Oct 1998 18:10:00 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: "'we6w@qsl.net'" <we6w@qsl.net>
Cc: "'loranger@sr.hp.com'" <loranger@sr.hp.com>, "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [22145] Your Posting
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed, I for one very much appreciated your posting that you would be attending Pacificon. I missed you when you were at the NorCal meeting, and look forward to seeing you. Please bring your contest Pixie for all of us to see. And any other thing that you have built that you think we might like to take a look at.

QRP is about sharing, the good times and the fun. Ed, please don't stop posting things. I believe that your post was very appropriate to the list. Make sure that you wear your Zombie badge. Hey, that is what did it. The Zombie Poobah, Paul, will be there, and he must have worked some magic with the Zombies to cause your ham buddy to "by chance" meet you in the hallway at work. Heh. Heh. See you Saturday Ed.

72, Doug, KI6DS

Date: Mon, 12 Oct 1998 21:50:38 EDT
From: ARDUJENSKI@aol.com
To: qrp-l@Lehigh.EDU, nwq-l@scn.org
Subject: [22146] HAMSTICK YAGI
Message-ID: <52076774.3622b1ee@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

A question about the use of HAMSTICKS arose so I thought I would point you
interested folks to Russ VE6VK's site show a 3 element yagi using HAMSTICKS:
http://www.eng.mu.edu/~usi/hamstick.html

Date: Mon, 12 Oct 1998 19:07:01 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Ed Loranger <we6w@qsl.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22147] Re: Wasted Post.
Message-ID: <Pine.SOL.3.96.981012190244.22638B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed,

I'm glad to hear that you will be at PacCon! How else can
I exchange insults with you? :-)

Lets see, we won't be posting..... gee, does thet meen we
haffa usse gud english?

Don't ever think you have done something wrong when you make
a post here. It took all of maybe 10-20 seconds to read your
post. Then I hit the "D" key and moved on to the next.

I like seeing what the "family" of QRPers has to say. I'll
read some text book when I want nothing but strict subject
mater!

See you all in the hunts and some of you next weekend!

73, Ron,   SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 12 Oct 1998 19:59:44 -0700
From: Bill & Merleigh Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [22148] Re: Wasted Post.
Message-ID: <3.0.5.32.19981012195944.007d22d0@mail.psnw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Ed,

I am REALLY glad you're going to make it to Pacificon. Please bring an example of your resonant speakers along for show-'n-tell. You may have notice the recent threads on this subject and I know you have done quite a bit of work in this area. I am anxious to learn more about those things and I know others are too.

==========
Bill Jones - KD7S - <><
Sanger, California
http://www.psnw.com/~kd7s
==========

Date: Mon, 12 Oct 1998 23:25:34 EDT
From: ka7you@juno.com
To: w7ls@blarg.net
Cc: qrp-l@Lehigh.EDU
Subject: [22149] Re: SMALL ENGINE (for use with generator?)
Message-ID: <19981012.194024.23863.2.ka7you@juno.com>

A 60' to70's vintage Chrysler product alternator is about the easiest to wire up. Three wires-- +, -, and field. the regulators were external, but only the single lead was required. A newer one does have the internal regulator, and still just three wires. The local junk yard should be able to fix you up with the setup including the mounting bracket (to modify for your design) for $20 to $25.

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251   QRP-L #844   NWQRP #120   and others

Date: Mon, 12 Oct 1998 22:30:49 -0500
From: "James A. Carmody" <carmodyjim@earthlink.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22150] Re: SMALL ENGINE (for use with generator?)
Message-ID: <3622C968.9F8AC424@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have one and am trying to find the data and price.
Jim/nn5o

ARDUJENSKI@aol.com wrote:

> There is a small engine used for powering bicycles. See
> http://www.bicyclemotors.com for details.
>
> We need to get this small engine coupled with the small 13v/6.4a generator for
> a QRP price.
>
> Alan KB7MBI

Date: Mon, 12 Oct 1998 20:33:01 -0700
From: "Bill Todd" <bill@willapabay.org>
To: <w7ls@blarg.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22151] Re: SMALL ENGINE (for use with generator?)
Message-ID: <001701bdf65a$2f517900$294ffbce@default>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Good idea. Further to that notion, there are basically two types of car
>alternators out there. The one you want is a Chrysler, I think.

Hi Jim - Thanks for the info on the Chrysler alternator.

I just bought a used Chrysler Fifth Ave.. (86'). If the car is ever
totaled, I will be sure to save the alternator! ha ha

CUL, Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298

Date: Mon, 12 Oct 1998 22:39:52 -0500
From: "Steve Yates, AA5TB" <aa5tb@swbell.net>
To: <aa5tb@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22152] Re: 30M Portable Operation Planned
Message-ID: <01bdf65b$234197c0$232aa497@betsy>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The camping trip turned out great. I wasn't able to get on the air until
about 0200 UTC but I made some good contacts. As Murphy's law would have
it, I forgot my MFJ antenna analyzer and didn't bring a SWR meter either so
tuning my end-fed half wave antenna was done by ear. Due to the somewhat
critical nature of my tuning arrangement (link coupled parallel tuned
circuit) I didn't expect much success. I fired up my combat ready 38
Special (aka PRC-38S) and the signals were great. In fact, there was too
much QRM on the frequencies I said I would be on so I just scanned the band
working several stations. I had an enjoyable QSO with CO2JX and we both
copied each other 599. Since most of the foliage was short scrub oak and
cedar, I could only get my antenna up about 10 feet but it still worked
great.

Operating under the bright Milkyway with cool temperatures (rare) was quite

a treat. The band was so much more quieter there than at home it was unbelievable. I used only the light from my rig's LED and headphones to keep from disturbing the other campers although I had to stir every now and then to keep the coyotes away.

Thanks to all that listened for me.

73,
Steve Yates
AA5TB
aa5tb@swbell.net
http://home.swbell.net/aa5tb/
Fort Worth, Texas

"Sunday night (October 11th local) I plan to be operating QRP portable from Dinosaur Valley State Park near Glen Rose, Texas using my PRC-38S and an end-fed half wave antenna. My family and I will be camping and should be on the air after about 0130 UTC (depends on family activities). I can tune from about 10.101 MHz to 10.123 MHz and will try to operate from about 10.120 to 10.123 MHz. Please give a listen for me if your on the band. Thanks."

Date: Mon, 12 Oct 1998 21:43:54 MDT
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [22153] NC20 10K 10-turn pot group buy -- Thanks!
Message-ID: <19981013034354.25474.qmail@hotmail.com>
Content-Type: text/plain

QRP-L,

Just a quick note of thanks to everyone who followed up to the last group buy update. We're now at 202 10-turn pots!! That moves us up to the next quantity band, which means we'll squeeze a few more pennies (hopefully dimes :-) out of the price.

Once again, more on pricing to follow later in the week.

Thanks again & 72,

de Jerry W0MC   QTH Fort Collins, CO

w0mc@hotmail.com   QRP-L #800

Date: Mon, 12 Oct 1998 23:49:29 -0400
From: olyellr@iglou.com
To: we6w@qsl.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22154] Re: Wasted Post.
Message-ID: <3.0.5.32.19981012234929.007bd960@pop.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:00 AM 10/13/98 +0000, Ed Loranger wrote:
>Friends, I wasted the time of many of the people on the list with
>my last post about Pacificon.
>
>I am sorry.
>
>Ed Loranger we6w/qrt
>

Hey Ed!

I don't know you an' won't be seeing you at Pacificon, but I'm glad you are going and your post didn't waste my time in the slightest, so please don't feel the need to apologize. Sounds like those people that complained to you need more to do with their time.

Have fun Ed, and be sure to let us know how it went...in as much detail as possible.

Vy 73,
Mike L.
.
.....
de AF4LQ
FISTS #4139
99% CW OP...for the pure JOY of it.
http://members.iglou.com/olyellr/
.....

Date: Mon, 12 Oct 1998 22:21:07 -0600
From: Jess Gypin <jessqrp@concentric.net>
To: we6w@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22155] Re: Wasted Post.
Message-ID: <3622D532.D422EF58@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This was not a waste of time. I am gald that you get to go and I am jealous
that it is not me. Lighten up folks! This list is getting touchy touchy!

Jess N0TFI

Ed Loranger wrote:

> Friends, I wasted the time of many of the people on the list with
> my last post about Pacificon.
>
> I am sorry.
>
> I had received about 30 emails these last few months from members asking
> if I was going to pacificon. I did not save these emails
> and my last was a blanket post to share the change in my status.
>
> I have once again been informed that this is not appreciated.
>
> Ergo I shall endeavor to post more meaningful information.
>
> I hope there are no spelling errors here; More hate mail...
>
> Sorry for wasting your time.
>
> Ed Loranger we6w/qrt

--
Jess N0TFI <><
http://www.concentric.net/~jessqrp Personal Home page
http://qsl.net/n0tfi/bug.html Bug Stories

Date: Tue, 13 Oct 1998 00:25:45 -0400
From: mike czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@Lehigh.EDU>
Subject: [22156] Who to contact for QRP Quarterly problems
Message-ID: <3622D649.3926@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I was contacted by someone recently who had some problem with his subscription to the QRP Quarterly (which is published by the QRP ARCI, of which I am president). He also apparently had some problems in communicating with the Membership Chairman and appears to have misinterpreted something he was told.

The standard "party line" is that if someone has problems with subscriptions they should contact the person whose job it is to handle such things, which is WA4NID. No one else can handle the problem, and it does no good to tell someone else about a problem with a subscription, since he's the only one who can fix it. There's nothing inherently wrong with telling the Pres, Veep, BoD member, etc about a subscription problem, but, even at best, it can only slow down the process--that person has to pass the information on to the Membership Chairman, adding delay.

And that's assuming that the first person is able to check their e-mail on a regular basis. If they're out of town for a while--which happens to a lot of people--it can be some time before the mail is read, and when they're digging thru hundreds of e-mails on their return it's easy for things to get lost in the cracks and overlooked, and that complaint about missing issues may never get forwarded to the only person who can handle it. And it is far from unknown for people to come back after being out for a while and do bulk deletes of much or all of the accumulated mail. Not that I think that's a good idea in the least, but it DOES happen in the real world, and I've had many people tell me over the years that they do it. And one told me that just last week, too.

Here's the bottom line: if you have problems with QRP Quarterly subscriptions you can tell anyone you want, but for best results by far, you should contact the membership chairman directly instead of telling someone else and praying that they'll relay it. And if you have problems with awards, contact K5FO; contests, contact N6GA; an article that you submitted to someone, the particular editor you sent it to; whatever it is, your best bet is always to contact the person responsible for taking

care of that area. You can tell anyone else if you wish, but it can only slow things down. Not that you can't tell anyone you want, just that it's not the best or most efficient way to do it.

On the other hand, if you have problems in getting something solved by contacting the appropriate person and need to get someone else involved, by all means contact someone else! Your best bet is to come to me, the Pres. Not necessarily because I'm the Pres, but because I have no life other than QRP! It's my job to be the Sympathetic Ear of Last Resort; that's why I get the Big Bucks. (And they are indeed big bucks--they're 6" X 12" and look like Monopoly money. Thinking back on it, when I agreed to take the position, they never did say that the pay would be in legal US currency :-) I should have read the fine print!) [Note to the Humor Impaired--that's humor. All positions in the QRP ARCI are entirely volunteer labor. No one gets a cent for all their work.]

Again, you can contact anyone you want about any problem in the QRP ARCI, but as with everything else in life it's always best to go directly to the person responsible for the thing you're having trouble with.
--
73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Tue, 13 Oct 1998 00:47:56 EDT
From: Ab7wy@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22157] our own little world
Message-ID: <29602a04.3622db7c@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 98-10-13 00:20:58 EDT, Jess, N0TFI wrote:

<< Lighten up folks! This list is getting touchy touchy!
  >>

 i must agree, were ham radio operators. this is a domain free from the Clinton excrement, the crashing stock market, hate crimes and all the other garbage out there submitted for our disgust. as long as we keep the outside stressful world from entering this place of serenity, we will have peace within it.
  in our own radio world, we have peaceful boundries...not created from war....but created from comraderie and kinship. when one of our "neighbors"

suddenly appears, we all clammer over eachother just for a chance to have a brief, but very satisfying, exchange with them.....and i like it that way! the world is advancing around us, and we hold true to our values as "radio operators".

I, like everyone else, deal with daily stress, bills, work, family, traffic, news (which i try NEVER to watch), and just trying to make ends meet....i DONT bring it here!
as a matter of fact, when i click the switch on the rig, it all goes on stand-by for awhile. i settle back with my phones on and start tuning. it brings me the same joy and wonder that it did 15 years ago when i was a radio rookie. and when i hear a new one calling CQ....who cares about the world outside of the one im listening to, im ready to make a new friend in a faraway place.

so argue if you must...PRIVATELY...and if you are a responsible adult, you will know if your post is offensive or not. Ed, i found nothing offensive about your post, please dont feel inhibited to posting in the future...i enjoy talking to you on the reflector and on the air. we became hams for a reason, somewhere in the beginning there was some magic that got you going when you heard that first call back...this is our own little world, lets enjoy it while we can.

73.....Adam, AB7WY
and NO i still dont have my new call yet! im taking care of it though!!

Date: Mon, 12 Oct 1998 22:45:02
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [22158] Re: HB PCBs
Message-ID: <3.0.3.16.19981012224502.2c3f06ee@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>So far, I've spend lotza $$$ and time developing a process to make a PCB I
>could buy fo less than $10. Ain't this fun?
>Jim,WK8G/2
>nestoji@home.com

True Jim, but having the tools and skills to make your own boards will be in-valuable in the long run. There will be times a board is not commercialy available for something you want to make, or for something of your own design.

Congradulations on your new skills !

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 12 Oct 1998 22:19:44 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [22159] NOT QRP: WIN 98 Question
Message-ID: <000301bdf669$17c30e20$2a4ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello folks -

This isn't QRP related but I am certain that someone on the list knows the answer to this one.

For some reason, my dial-up Networking program seems to activate, i.e., engages my modem and calls my local ISP. I can be at the basic desktop, not doing anything in particular, and all of a sudden the modem just starts to dial.

Does anyone know what might be causing this?

CUL, Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298

Date: Tue, 13 Oct 1998 01:46:17 -0400
From: Ed Tanton <n4xy@att.net>
To: QRP-L Reflector <qrp-l@Lehigh.EDU>
Cc: cw@qth.net
Subject: [22160] MY SGC SG-2020-C
Message-ID: <3.0.5.32.19981013014617.00ccf2a0@postoffice.worldnet.att.net>

Mime-Version: 1.0
Content-Type: text/enriched; charset="us-ascii"

Hello all... ever since receiving an email from a certain European ham, relating that he HAD sent in his '2020 and had it upgraded, and the chirp returned right along with the unit-as bad as ever-I have decided that I will not be returning my unit for upgrade.

The extremely clumsy manner in which SGC wants you to first send in your money (key word that: money) FIRST for the Extended Warranty, and THEN, when they've sent you the paperwork back, you can return your '2020 to get that one "free" software upgrade... anyway, that had already precluded the Extended Warranty purchase idea anyway. I was thinking about going through whatever procedure they had for just the $90 upgrade (you know: the one where I pay postage both ways AND $90 to get their fix for what was their design-defective firmware in the first place) when I got that email mentioned above. It seems <bold><italic><underline><color><param>ffff,0000,0000</param>the firmware upgrade does not always remove the chirp non-problem</color></underline></italic></bold> (I believe an SGC spokesperson said a CW chirp was not really a defect or problem, anyway.)

So I have decided to just keep the slight chirp I have. It is not so bad that I feel guilty about using it-as slight as a chirp can be and still exist-just annoyed that I must keep it.

As a matter of course, I will henceforth be referring to MY SG-2020 as the SG-2020-C. I think that's appropriate-and it gives me something to say to all those people who just HAVE to tell me about my little chirp: "THAT's what the "C" is for" I have the model with the chirp-accessory!!!

When I get the time, I am going after it myself, using many 1 ufd, and some 4.7 ufd SMT tantalum chip caps everywhere I can think of.

But meanwhile, if you work me on CW, you will hear I am using the SG-2020-C!!!

P.S. Pardon the HTML... at least I restrained myself to the one phrase!

73

Ed Tanton   N4XY   EMAIL: n4xy@att.net

189 Pioneer Trail

Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX

INTERESTS: QRP   BoatAnchors   Test Equipment   Photography

CW: 99.9%   Mercury Paddle # 0214   QRP to 150W: 95%
~~~~~~

"Think you can, think you can't: either way you're right!"   Henry Ford

~~~~~~

Date: Tue, 13 Oct 1998 03:35:43 -0400
From: n2tpa@juno.com (Bill d Lazure)
To: gsurrency@juno.com
Cc: QRP-L@Lehigh.EDU
Subject: [22161] Re:Resonant Speakers
Message-ID: <19981013.033734.7574.3.N2TPA@juno.com>

Gangue,

     Pardon my lack of understanding. When attempting to construct this item, should the tube be air tight? Or, at the other extreme, is there any harm or difference if I don't cap the tube at all? If, as Gary states, you should construct a plate spaced at 1/8" from the bottom of the tube, does the spacing from the tube affect the tube's resonance? For example, if the plate's 5/32" away instead, does the resonant point change?
   As I understand the operation of speakers, there should be some difference depending on the volume of air that is captured behind the speaker.
   Any further clarification possible?

72,

Bill
W2EB

Gary L Surrency Wrote:

>I was asked for more details on constructing the resonant speaker....
> One end of the tube should be capped with a relective end plate, since
the audio waves
>will bounce against one end and emerge from the opposite end in
>operation. This can either be done by spacing the tube on a table top
>with about a 1/8" gap at the bottom, or you can construct an end plate
>that is spaced 1/8" or so from the tube end with some mounting means
>such as screws, glued pins, etc....

Date: Tue, 13 Oct 1998 01:22:35 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22162] Y2K & Foxhunt Millenium Clock... ?
Message-ID: <199810130819.BAA24256@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Folks,

In the Nov, '98 issue of "Pop 'Tronics" you'll find a DIY
gizmo for tracking the number of days remaining until the
Next Millenium. A clever enough little board kit with an
MC68HCxxxx microprocessor that talks to an LCD display...
slowly counting down the number of days...
one-by-one-by-one. Reassuring to some tortured souls I
suppose, but wouldn't it be more useful if it could be
reset daily to count down the starting time to the next
significant event -- like the next foxhunt start time?
And, doesn't it really need red LEDs if it's going to have
the really sinister look of the James Bond style
count-down timers in the movies? (He never used LCDs did
he? No, he didn't.)

While the Millennium Clock is a cool concept project, I
believe it could benefit from some design refinement. And,
if it's tuned up properly, no self respecting fox or hound
would be without one. We can only pray that Steve "melt
solder" Weber is reading this message... and finds some
reason to help us save the new Millenium ;)

I've gotta go. I'm reading, "COBOL Cross-Compilers for
Bankers." It helps me relax before retiring ;)

Good nite all,

72 - Conrad Weiss - NN6CW

Date: Tue, 13 Oct 1998 11:35:34 +0300
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [22163] Charging NiMH batteries?
Message-ID: <362310D6.C8D@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP-L'ers,

For a change I have a question about batteries:

I plan to order a replacement battery pack from W&W Associates for my
TH-79e. If I get the NiMH version, which has higher capacity and is
probably better in other respects, too, can I charge it with the
original rapid desk-top charger by Kenwood (KSC-14)?

I know nearly nothing about how the charger operates, because Kenwood
doesn't say a whole lot about it in the instructions.

The charger has been designed for NiCd batteries, I'm sure, but is it OK
to use with NiMH, too?

tnx es 73, oh2zaz
--
Arjen Raateland
Finnish Environment Institute
SAS Support

phone +358 9 4030 0350

Date: Tue, 13 Oct 1998 06:42:51 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [22164] IF dsp & filters
Message-ID: <19981013114115.CTBO29584@[209.18.27.188]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

If you have a rig with IF dsp, do you still need 500 hz.
cw quartz filters? I'm thinking of the IC756 or TS870.

It's a lovely idea, but I'm pretty sure the answer is that
you do.

73 jerry w8gnd

Date: Tue, 13 Oct 1998 07:02:39 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Bill d Lazure <n2tpa@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22165] Re:Resonant Speakers
Message-ID: <Pine.GSO.3.96.981013065125.26487C-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Like organ pipes, any tube can be resonant at a given frequency with
either an end cap or without an end cap. With end caps, they tend to be
shorter. The resonant frequency is a function of the diameter and the
length, as well as the position of the source within the tube--and where
so many soft materials are being used, the nature of the material itself.
Hence, experimentation to find the resonant length for your favorite CW
tone for the material and physical size you are using is experimental.

Resonating the tube tends to suppress frequecies outside the design center
and enhance the design frequency. Hence, the filtering effect is real,
and the method is cheap, requiring no power supply, no rig modifications,
and may be redone for each person who prefers a different CW tone.

There are some version which rely on the sensitivity of the material to vibration--these tend to be less precise than those cut to audio resonant pipe formulas. Common materials (soft drink bottles, foam cups, etc.) tend to vary from one source and batch to another.

If anyone has access to the equations for cutting resonant tubes, I suspect posting them might be useful to a number of folks.

-73-

LB, W4RNL

Date: Tue, 13 Oct 1998 07:37:08 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@Lehigh.EDU
Subject: [22166] QRP Events
Message-ID: <36233B64.4F62@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am drooling while reading the postings about Pacificon. For me, it is 3000 miles too far. Too bad. I did attend FDIM during 1986 and had a ball, even though I had to drive 500 miles.

It seems that our east coast has a very respectable and active QRP population. Wouldn't it be nice (especially for us easterners) to have the equivalent to Pacificon (call it Atlanticon, or whatever)? It does not have to be attached to another "big" ham event.

Joe, K3CHP
Riverdale, MD
k3chp@erols.com

Date: Tue, 13 Oct 1998 08:23:43 EDT
From: DLShips@aol.com
To: qrp-l@Lehigh.EDU, klqrp@waterw.com
Cc: ab4lg@pscinternet.net, DLShips@aol.com, aa4xx@amsat.org, designserv@ipass.net,

dhlauten@juno.com, scammp@sccoast.net, ad4tz@gte.net, kr4wm@sccoast.net,
     bbell1@earthlink.net, K4NK@aol.com, ka4slq@juno.com, liveoak@sccoast.net,
w3tmo@juno.com, peterarose@juno.com, rippe@shtc.net, WMintz1021@aol.com,
Subject: [22167] CAROLINA'S NOVEMBER QRP-FEST
Message-ID: <8ad2a875.3623464f@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

The Knight Lites and the Grand Strand QRP Society, the two most active QRP groups in the Carolinas, invite all QRP'ers and others considering QRP to our November 14th QRP-Fest at Jones Lake State Park in Elizabethtown, North Carolina. This is an all day FREE event starting at 9:00 AM and ending at 5:00 PM. Jones Lake State Park includes a neat "dark water" lake and a bunch of hiking trails, a picnic area, a boat launch and a camp ground. There are two pavilions and rest rooms at the huge picnic area where the QRP gathering will be held.

Camping is available and there are several motels in the area. Camping fees are $12 per night and some sites can accommodate small motor homes and hard campers. Electricity is not provided at the camp sites and water may not be run to each camp site, but the bath and toilet facilities are reported to be good. There's a dumping station. A maximum of 6 people and two cars are allowed at each site. There is a $2 discount for seniors. For camping, check in is required and you need to be there by 5 PM. The gate gets locked at night.

Days Inn is the only motel in Elizabethtown, but other motels in near by White Lake include Carolyn's Court, Grissom's, Lakeside Motel and Crystal Beach Motel.

Food will be available from 11:30 to 1:30 but the menu will be limited to hot dogs, soda and chips.

Licensed participants are invited to explore and operate commercial QRP transceivers, kits and home brewed stations (to be set up near the pavilion). There will be at least 8 stations available all day long. Stations will include 10M SSB and CW, 12M SSB/CW, 17M SSB/CW, 15M CW, 20M CW, 30M CW and 40M CW.

The planned program includes:

9:30 - 10:15 QRP Roundup
    A panel discussion with demonstrations of all sorts of QRP gear including rigs, antenna tuners, keyers, paddles, and other accessories typically used in the shack and in the field. Solar panels batteries, kits and home brew gear, test equipment and counters, RF generators, antenna analyzers, etc. We are

hoping to have a first hand report by Bob Kellogg on the construction of the K2.

10:45 - 11:30 Antennas (pavilion and surrounding grass area)
    Discussions and demonstrations will cover a broad range of topics including Kite
supported antennas by W3RDF and AA4XX. Wind permitting, some kites will be in the air. Paul Stroud will discuss antenna measuring techniques and show how to evaluate antenna systems with a noise bridge and with an RF-1. He will also show how to measure the impedance and loss characteristics of various feedlines, including lightweight zipcord. He'll demonstrate how to make power measurements with a scope.

1:30 - 3:30 Show and Tell (pavilion)
    If you have something neat you want to share with the group this is the time to do it. A sign-up sheet will be available but we would like to hear from you via e-mail in advance. Pease plan to limit your demos and talks to 10 or 15 minutes.

3:45 - 4:30 March 98 Core Banks Island QRP Expedition
   This will be a panel discussion of the March 98 Core Banks Island trip and will include a slide show. The panel will consist of several of the guys who made the trip.

We need your input to make this a successful event. If you're planning to come to the Carolina's November QRP-Fest let us hear from you now. Tell us 1) the number in your party; 2)will you consider participating in the Show and Tell ? 3)which of the subjects listed are of most interest to you ? E-mail your reply to DLShips@aol.com, aa4xx@amsat.org, designserv@ipass.net, dhlauten@juno.com

Specific directions to Jones Lake State Park will be made available at a later date
and will also be posted to the Knights Website... Stay tuned

de Don, W3RDF/QRP

Date: Tue, 13 Oct 98 08:04:58 EDT
From: "Bob Barry" <rbarry@vnet.ibm.com>
To: qrp-l@lehigh.edu
Subject: [22168] Re:Resonant Speakers
Message-ID: <199810131226.IAA56274@nss4.cc.Lehigh.EDU>

Here is the formula that I started with for tube length and diameter. It is from a qrp-l post from Gary gsurrenc@ix.netcom.com Wed Oct 2 15:58:19 1996.

snip
> the 13th edition of Hints and Kinks for the Radio Amateur, copy. 1992
> by the ARRL, pages 9-16, 9-17.
Length=122.4/800 -(.3 * .0508)
ANSWER:.13776 Metersa for determining roughly the tube length in one of
Converted to inches .13776/.0254=5.42 Inches length of tube. somewhat
> by speaker resonance, altitude, and tubing type. Here is the formula:
>   l=3406/f - 0.4d
>   where: l=length of the tube in inches
>   f=resonant frequency of the tube in hertz
>   d=inner diameter of the tube in inches
snip
...and from my QRPp article a couple years ago
snip
> example: 3.74"=3406 / (750Hz) - 0.4 x 2.0" (i.e. l=3.74"for 750 Hz)
>   l   f   d   4.07"   700 Hz
>   length   frequency   diameter   4.48"   650 Hz
>   4.88"   600 Hz
snip
Sometime later (?) Ed Loranger WE6W posted a formula with a temperature term
snip
> The following was extracted from a April 1983, QST article.
...
> General formula for the resonator:
> F=(V/(4*(length + .3 * Diameter))) * SQRT(1 + Temp_kelvin/273)
...
> Simplifying at Temp_kelvin=293 we get:
...
> Formula: Freq=122.4/(Length + (.3 * Diameter))
>
> Transposing: Length=122.4/Freq - (.3 * Diameter)
> We know that Freq= 800
> Diameter=2 inches = 2 * .0254=.0508 Meters
> Length=122.4/800 -(.3 * .0508)
> ANSWER:.13776 Meters
> Converted to inches .13776/.0254=5.42 Inches length of tube.
snip
...Let the thread continue...
72 for now,
Bob   WB2CWA   Vermont

Date: Tue, 13 Oct 1998 12:49:01 GMT
From: nhoop@centuryinter.net (N H)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22169] Frequency meter?

Message-ID: <36264c17.7137264@mail.ot.centuryinter.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have an inexpensive freq. meter for sale? I'm running a Century 22 analog rig and I get a bit twitchy at times wondering just where I am. It seems pretty stable on WWV (10.00) but that doesn't tell me for sure where I am on 40 meters.

Tnx,

72 KM5QU nat
Oxford, Arkansas
USA

Date: Tue, 13 Oct 1998 08:54:25 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net
Cc: qrp-l@lehigh.edu
Subject: [22170] Bencher straight key for sale
Message-ID: <3.0.5.32.19981013085425.007e4bc0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

well ok, I have to sell this item for money toward my newly aquired Tentec Omni V. Man, I really like this rig.
So, Bencher chrome straight key only 2 months old and is in outstanding condition. I have a cable already on the key with a 1/8th inch mono plug. Can convert to quarter, can remove cable, or can just ship as is.
I am asking $85 insured to your door or best offer. I paid about $100 for this key and recently got a couple of J38s' which I like quite a bit. SO, thus with three regular sized straight keys, I figure I could aford to let this one go.
You can direct mail me at whowell@mail.hq.nasa.gov

tnx es 73 de Scott/n3byy
Laurel, MD

Date: Tue, 13 Oct 1998 08:57:18 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: cw@qth.net
Cc: qrp-l@Lehigh.EDU
Subject: [22171] regarding Bencher straight key
Message-ID: <3.0.5.32.19981013085718.007b7740@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

ok, since turning 30 on Friday, I can't remember where my brain is. I wanted to also add that I am looking for a speech board for the Omni V/Vi/VI+ which gives the verbal output of the frequency. I also, have a 1.8 filter in the first if that I would like to either trade or sell for a 500hz filter.
WIll consider trading key for any of these items.

tnx es 73 de Scott/n3byy
Laurel, MD

Date: Tue, 13 Oct 1998 09:07:33 -0400
From: mitch96 <mitch96@pobox.com>
To: rbarry@vnet.ibm.com
Cc: qrp-l@Lehigh.EDU
Subject: [22172] Re: Resonant Speakers
Message-ID: <36235095.38B4836E@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bob Barry wrote:
>
> Here is the formula that I started with for tube length and diameter.
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> > Simplifying at Temp_kelvin=293 we get:> ...
> > Formula: Freq=122.4/(Length + (.3 * Diameter))> >
> > Transposing: Length=122.4/Freq - (.3 * Diameter)
> > Converted to inches .13776/.0254=5.42 Inches length of tube.
> Bob WB2CWA Vermont

HHHHHHAAAAAAAaaaaaa. the simplicity of physics. i love this group!!! thanks Bob!
flunked math in grade school, and highschool. took algebra 5 yup FIVE times.
 but this!! this i understand!! this i can relate to!! as for the algebra,
someone must have known i would need it, i use it every day at work!!!
 glad someone up there is looking out for me.....

--
Mitch WW4ML

Date: Tue, 13 Oct 1998 08:15:05 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@lehigh.edu
Subject: [22173] Hamstick - Dipoles
Message-ID: <199810131317.IAA30555@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

I've made a couple of dipoles from a pair of mobile whips.

The first was for 17 meters. It did a very good job. At one time I
was using a random wire and transmatch for 17; I was trying to work a
DX station without any luck. A local ham jumped in, made one call,
and snagged him. I asked him about his antenna and he said he was
using a mobile whip dipole, which I decided to build for myself. This
antenna worked very well on 17.

When I traded for a Ten Tec 6 meter transverter (tremendous device!)
I removed the 17 meter dipole and added a 6 meter dipole made from
mobile whips. It does OK, but I'm not greatly impressed with this
set-up.

Both antennas used a small mast fastened to the side of the house
with the antenna just above the peak of the roof.

These are compromise antennas, but are ideal if you want something
simple and resonant, and don't want to run a wire dipole.

73 Bryan W8LN

Date: Tue, 13 Oct 1998 09:12:55 -0400

From: DNT1@chrysler.com
To: nhoop@centuryinter.net
Cc: JEB27@chrysler.com, qrp-l@Lehigh.EDU
Subject: [22174] Re: Frequency meter?
Message-ID: <8525669C.0048C233.00@lngodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

nhoop @ centuryinter.net wrote:

> Does anyone have an inexpensive freq. meter for sale? I'm running a
Century
> 22 analog rig and I get a bit twitchy at times wondering just where I am.
> It seems pretty stable on WWV (10.00) but that doesn't tell me for sure
> where I am on 40 meters.
>
> Tnx,
>
> 72 KM5QU nat

Nathan,

You might try this, I'm reposting it from the Swan net where I first found
out about it.

72,

Don T. AI4CW QRP-L#1670

Here is an alternative for rigs that don't have a digital display or to have a simple 32Mhz counter for your QRP rigs.

I have built the Blue Sky Engineering K1MG frequency counter. The instruction manual is detailed book with step by step instructions for putting in each component. A couple intermediate tests to look for proper voltages on transistors and check for no solder shorts. This was an easy 2 hour FUN FUN project. Now that I have the completed board it works even better. Just hooked it up to a Norcal TUNA TIN 2 and checked that the kilohertz frequency read 041.2 or push the Megahertz button and read 7.041. Worked the first time. Hooked up to a SWAN Cygnet 260 that I was tuning up and having trouble. On the scope the waveform looked fine, but the carrier balance was not working right. Put this Frequency counter on it and measured 6.352 Mhz. Oh so thats my problem. I hooked up to the V1

Oscillator Amp output and checked the Frequency should be in the 12.700 Mhz range, but it was 6.352Mhz. So I adjusted the coil for a different peak and there was the 12.704 Mhz I needed. I will put the in box and hook it up to the Swan 260. It has 5 digital inputs for selecting up to 31 different frequency ranges. Each range adjusts independantly for offset so that in a rig like the SWAN you can display your operating frequency directly. Uses a 6V backup battery to run as a clock when the normal power is off. One push button selects the clock or Frequency. Push one momentary button for the Mhz display. Release the button and it reverts back to the normal Khz display. It is a good feeling to know right where you are in the spectrum. This has paid off in helping me align an older rig!

I really feel satisfied with this purchase of the K1MG frequency counter. I have noticed several people asking about adding digital displays to their older rigs. Here for approximately $35 you can do just that and have a FUN project to solder together!

Blue Sky Engineering Company
400 Blossom Hill Road
Los Gatos, CA 95032

http://www.fix.net/~jparker/blusky/ccd.htm
This website has pictures front & back and the spec sheet.

~~~~~~

Here is 16 digit frequency counter that is very nice with backlight LED display for using your rig in the dark.

Look at these websites for the Digital Frequency Display (DFD).

http://www.mtechnologies.com/
http://www.aade.com/

Here is the application note on how to hookup to various HAM Rigs.
http://www.aade.com/Applic~1.htm#TS820

~~~~~~

Fred Finster WB7ODY fredf@garlic.com
345 Lastreto Ave.
Sunnyvale CA 94086-4430

ps. checkout the NorCAL webpage for other supplier WEB links

http://www.fix.net/norcal.html
http://www.fix.net/~jparker/norcal/links/suplylinks.htm

Date: Tue, 13 Oct 1998 09:36:03 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [22175] Re: Who to contact for QRP Quarterly problems
Message-ID: <00b401bdf6ae$6d172e20$8e1205d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Mike,

From: mike czuhajewski <wa8mcq@erols.com>

>Not necessarily because I'm the Pres, but because I have no life
>other than QRP!

You've reached the goal of every QRPer. :))) And good money to boot. :)))

73 de Vince, VE3VFN.

Date: Tue, 13 Oct 1998 08:38:33 -0500
From: applitech@mcg.net (Claton Cadmus)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22176] Re: Who to contact for QRP Quarterly problems
Message-ID: <086301bdf6b0$1b662d40$a10a5e2c@groucho>

In the words of George Dobbs spoken last May in Ohio, "I will be brief
after that Nordic Saga." And simple add to Mike's tome.

All the contact info is on the back cover of QRP Quarterly.

Date: Tue, 13 Oct 1998 09:49:53 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@Lehigh.EDU
Subject: [22177] antena question
Message-ID: <3.0.5.32.19981013094953.007f56a0@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a mini g5rv in the attic, tried swinging it around so that it was broadside northeast/southwest. I then tried fixing my Hamsticck diple to bring down the swr and think I have only managed to ruin it. Won't load at all which maybe either
1. cut more off than was suposed too.
2. tied it closer to the roof and thus is cause of the problem.
3. one leg of the g5rv is about 6 inches above one leg of the hamstick dipole. Only crosses one small point on the leg.
SO, was thinking of either replacing the hamstick dipole with a wire dipole facing broadside east/west or making a loop. SO, first would there be a really big problem with legs crossing at all and can two dipoles share some space.
I am not sure exactly what the dimentions on a full-size loop would be, but someone has done this so maybe will work.
I did with great care and much banging of the siding on this townhouse, get a 50/60ft copper wire out the window and into the back of my antena switch. It loaded on 80, but was only a temp setup. Hmmm, intresting ideas here. Just put mr. fishing weight on the end (just looped wire through the lead eyelette) then went to tossing until I realized I'd have to go out in the rain to do the job.
FOund my wire and weight in my neighbors yard. very quickly coiled it up. Neighbor on other side called Xyl and asked what in the hell I was throwing with such enthusiasm.hee, hee

what fun.

tnx es 72/73 de Scott/n3byy
Laurel MD

Date: Tue, 13 Oct 1998 06:55:37 -0700
From: Jerry Haigwood <w5jh@swlink.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [22178] For Sale TenTec Scout 555
Message-ID: <36235BD9.B7F@swlink.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Folks,
     I have for sale:

     TenTec Scout 555 with noise blanker, TT 701 hand mic, mobile bracket
and band modules for 80, 40, 30, 20, 17, and 10 meters. This is clean
used equipment in excellent shape - NO MODS. $495 Shipped to 48 states.

     Note: The Scout can be easily modified to an Argo.

  email w5jh@swlink.net
--
73, Jerry W5JH

Peoria, (near Phoenix) AZ
EX:KY4Z, WB7VIO, WB9LOM, WN9LOM, WN9BIU, WN9NZA
TT Scout @5W, NW40, FT990, IC735, QRP-L 1645,
Norcal Zombie badge 233 (PRIME!)

Date: Tue, 13 Oct 98 10:17:54 EDT
From: "Bob Barry" <rbarry@VNET.IBM.COM>
To: qrp-l@Lehigh.EDU
Subject: [22179] re: Resonant Speakers
Message-ID: <199810131425.KAA24198@nss4.cc.Lehigh.EDU>

Oops...I just noticed an inadvertant mouse copy over part of the text of
my earlier post. It should have read:

Here is the formula that I started with for tube length and diameter. It is
from a qrp-l post from Gary gsurrenc@ix.netcom.com Wed Oct 2 15:58:19 1996.
snip
> the 13th edition of Hints and Kinks for the Radio Amateur, copy. 1992
> by the ARRL, pages 9-16, 9-17.
...
>   There is a formula for determining roughly the tube length in one of
> the Hints & Kinks articles, although the length "l" varies somewhat
> by speaker resonance, altitude, and tubing type. Here is the formula:
>   l=3406/f - 0.4d
>   where: l=length of the tube in inches
>   f=resonant frequency of the tube in hertz
>   d=inner diameter of the tube in inches

snip
...and from my QRPp article a couple years ago
snip
> example: 3.74"=3406 / (750Hz) - 0.4 x 2.0" (i.e. l=3.74"for 750 Hz)
>   l   f   d   4.07"   700 Hz
>   length   frequency   diameter   4.48"   650 Hz
>   4.88"   600 Hz
snip
Sometime later (?) Ed Loranger WE6W posted a formula with a temperature term
snip
> The following was extracted from a April 1983, QST article.
...
> General formula for the resonator:
> F=(V/(4*(length + .3 * Diameter))) * SQRT(1 + Temp_kelvin/273)
...
> Simplifying at Temp_kelvin=293 we get:
...
> Formula: Freq=122.4/(Length + (.3 * Diameter))
>
> Transposing: Length=122.4/Freq - (.3 * Diameter)
> We know that Freq= 800
> Diameter=2 inches = 2 * .0254=.0508 Meters
> Length=122.4/800 -(.3 * .0508)
> ANSWER:.13776 Meters
> Converted to inches .13776/.0254=5.42 Inches length of tube.
snip

After proof reading, I think this is what I meant to send.

Apologies to Gary for messing up the quote!

Bob   WB2CWA   Vermont

Date: Tue, 13 Oct 1998 10:22:52 -0400
From: Ronald_A_Pfeiffer@res.raytheon.com
To: qrp-l@Lehigh.EDU
Subject: [22180] Inside-out antenna??
Message-ID: <8525669C.004EFDE4.00@ressud-as01.res.ray.com>

Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I have had my carolina windom in the attic since last Januay. The ends are bent
at a right angle and run about 12 feet each in opposite directions. I get good results on
40/20/10 CW and SSB.

Well, is it worth my effort to move it outside? I can get it up about 25 feet.

Ron - N1ZSW

Date: Tue, 13 Oct 1998 07:38:07 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@Lehigh.EDU
Subject: [22181] Re: QRP Events
Message-ID: <362365CF.4D563DD@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Joseph Mikuckis wrote:

> It seems that our east coast has a very respectable and active QRP
> population. Wouldn't it be nice (especially for us easterners) to >have the equivalent to Pacificon

Putting together "Atlanticon" should be a piece of cake. All you have to do is find someone willing to donate thousands of hours of personal time and money. He or she needs to be a motivater and willing to travel extensively. This person must have incredible organizational skills, the patience of Job, a thick skin and a love for ham radio, QRP and his fellow man. Piece of cake.

==========
Bill Jones - KD7S <><
Sanger, California
http://www.psnw.com/~kd7s
==========

Date: Tue, 13 Oct 1998 07:39:14 -0700
From: Vic Rosenthal <rakefet@rakefet.com>
To: jwodell@ameritech.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22182] Re: IF dsp & filters
Message-ID: <36236612.DFB4F541@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jerry W. O'Dell wrote:
>
> If you have a rig with IF dsp, do you still need 500 hz.
> cw quartz filters? I'm thinking of the IC756 or TS870.

True IF DSP (as opposed to audio) as in the TS870 is supposed to perform the same function as the crystal filters, inside the agc loop. So the answer is no, you don't need the filters. However, some dxers/contesters think that the strong-signal performance of the IF DSP in the 870 is poorer than the crystal filters in the 850/950 (etc.)

I don't know anything about either the circuit or the performance of the IC756.

Vic, K2VCO
Fresno CA

Date: Tue, 13 Oct 1998 09:39:45 -0400
From: rhiller@sysdev.com (Rick Hiller)
To: qrp-l@Lehigh.EDU
Subject: [22183] Jamboree on the Air
Message-ID: <3.0.5.32.19981013093945.007fcaa0@stephen.sysdev.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just a friendly reminder that the 41st Annual Jamboree on the Air happens this weekend. It's an excellent opportunity to show Girl, Boy, Cub and Brownie Scouts the merits of Amateur Radio and the fun of QRP, designing, building, etc.

Grab a Troop, patrol, den or pack and get them on the air. Troop 80 in

Houston will be there Saturday afternoon.

Details in September QST or go to:

http://www.scout.org/joti/   (scroll to bottom left for JOTA)

http://www.arrl.org/ead/jota.html

TNX and 73....Rick...W5RH

Rick Hiller
Manager, Business Development
System Development, Inc. Houston, Texas

"Providing CGM based Hardcopy and Interactive Graphics tools"
Check us out at http://www.sysdev.com/

Date: Tue, 13 Oct 1998 07:47:33 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Bob Hightower" <ki7mn@extremezone.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [22184] Re: NOT QRP: WIN 98 Question
Message-ID: <002b01bdf6b8$6a7c7a80$244ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Some software packages have an 'auto update check' feature, that causes
>them to get on the net and check into the host (manufacturer's) site to
>see if there is any update to the software. I have disabled all of mine.

I had not thought of that Bob.
I just upgraded my RealAudio Beta version last week, so that one should not
be calling to update again.

Perhaps I should just allow the system to automatically connect once, and
see where it takes me? Then I will know which program it is trying to
update.

CUL, Bill
http://www.willapabay.org/~bill
ICQ me @ 8926298

Date: Tue, 13 Oct 1998 10:50:59 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22185] Re: QRP Events
Message-ID: <00df01bdf6b8$e4ee26b0$8e1205d1@frsswilap04284.callnetcanada.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I agree with Bill, it's no easy task. One way to make things a little
easier, is to do exactly what others have done. Select a high profile ham
event in the area and add a QRP forum.

73 de Vince, VE3VFN.

From: Bill Jones <kd7s@psnw.com>

>Joseph Mikuckis wrote:
>> It seems that our east coast has a very respectable and active QRP
>> population. Wouldn't it be nice (especially for us easterners) to >have
the equivalent to Pacificon
>
>Putting together "Atlanticon" should be a piece of cake. All you have

----

Date: Tue, 13 Oct 1998 07:54:15 -0700
From: "Bill Todd" <bill@willapabay.org>
To: "Claton Cadmus" <cla@mcg.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [22186] Re: NOT QRP: WIN 98 Question
Message-ID: <003b01bdf6b9$5a299860$244ffbce@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Outlook express mail program is set to automatically get your email.
>To fix this click Tools, Options, General tab, and uncheck "Check for
>messages every ..." Also click the Dial Up tab and make sure the settings
>here are as you would like them. I don't like Outlook to dial a connection
>when I start it up as an example.

Hello Clayton (and the Group) -

Looks like this is the culprit. Since I changed it, I have not had any
automatic dial ups. Thanks to all for the suggestions.

CUL, Bill-N7MFB
http://www.willapabay.org/~bill
ICQ me @ 8926298

Date: Tue, 13 Oct 1998 09:16:07 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-l'" <qrp-l@Lehigh.EDU>
Subject: [22187] FOX - 10/16
Message-ID: <01BDF68A.1E9BF920.bmug@gwl.com>

Being on the digest I was wondering if Fridays (Thursday Local) fox has given
any hints? I got the ones for tonight (or tomorrow morning).

Let the HUNT begin

de KB0ROL, Brad

Date: Tue, 13 Oct 1998 08:21 -0700 (PDT)
From: wctrautfield@west.raytheon.com
To: qrp-l@lehigh.edu
Subject: [22188] HW-8 main tuning cap problem
Message-ID: <0F0R00L21UP2Z7@mail.hac.com>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=ISO-8859-1
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

First, thanks to all who responded about my post regarding the 2 meter cw rig. All sorts of solutions. Just found out last night that this fellow has a Radio Shack 2 meter handheld that he has not used for a couple of years because he found out he did not care for the FM thing. So maybe we will explore that route.

OK, now for my problem. I'm sure its a familiar one. I have an HW-8 that I purchased used about a year ago. The very first day I had it, after fiddling around with it, I decided to checkout its tuning range on 40. Big mistake. When I got to the far end, KLINK went the rotors of the main tuning cap as they fell to the circuit board. I hear this has happened to others. Upon opening the unit I found that this must have happend to the previous owner too, as an attempt to re-attatch the rotors was made with the use of epoxy.

So here is the question, as if you couldn't tell. Is it possible to get an exact replacement cap? If so, where? If an exact replacement is not available, whatever goes in there has to be pretty close as there is a large coil/transformer just behing the cap. Also, if memory serves me correctly, the schematic and parts list does not specify the value of this capacitor. What is its range in pf?

I tried to put the rotors back on and was only barely successful and they have come off once again. This of course screws up the alignment. Bottom line is that once off, they dont want to go back on *securely*

Hey folks, thanks for reading this small novella, Im sure this problem has been covered on this list before. I know that others have experianced the same thing and it seems that everyone on this list has or had an HW-7/8/9. Would love to fix this right and get it aligned once and for all.

Best Regards

Curt
KE6CDC

Date: Tue, 13 Oct 1998 09:27:51 -0600
From: jaywa5whn@juno.com
To: qrp-l@Lehigh.EDU
Subject: [22189] October is a QRP Month
Message-ID: <19981013.092751.16630.0.jaywa5whn@juno.com>

WOW! What a month for QRP activity. Fox hunts, QRP-ARCI contest, you lucky people who will be attending Pacificon & on all Hallows Eve, some of us get to act normal. Yeah, I know, how can you tell? =8-0

Tonight, the Fox {WA8GHZ} is from Texas. At the NM/Tx border, we will lay out strips of Mesilla Valley green chili. That aroma will draw the fox to us. K5OI/qrp mobile {great signal Tim} will alert us as El Zorro tries to cross the border around 7 PM MDT.

This coming weekend, the QRP-ARCI Fall QSO Party is a 24 hours out of 36 hours type of contest. Team competition is encouraged in this contest. If you need the rules, check with N6GA {He maybe lost @ Pacificon} ;-)

mailto:CamQRP@cyberg8t.com for the details

Pacificon, WOW! Unfortunately, I will be one of those unlucky people who will not be able to attend this event. :-(

http://www.fix.net/jparker/norcal.html

The Zombie Shuffle Party, where the normal can act abnormal & the abnormal become normal. Ed-WE6W warm up that Drake transmitter, because this is a party that the echo will be appreciated. A time when the brujas {witches} ride their fireballs. Some of the local repeaters have DVRs installed. I have heard some of the recorded ids for all Hallows Eve. Or as we say here "In New Mexico, any night can be Halloween". Now where is my "War of the Worlds" CD?

http://www.fix.net/~jparker/norcal/contest/98zombie.htm

Oh, don't forget W6OBB's Ghost to Ghost show

http://www.artbell.com/

72...Abe Normal...WA5WHN

DM65qd Albuquerque, NM USA

Date: Tue, 13 Oct 1998 10:44:38 -0500
From: Bob Reynolds <breynold@sigg.com>
To: jaywa5whn@juno.com, qrp-l@lehigh.edu
Subject: [22190] October is a QRP Month -Reply
Message-ID: <98Oct13.103857cdt.26892@firewall.sigg.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

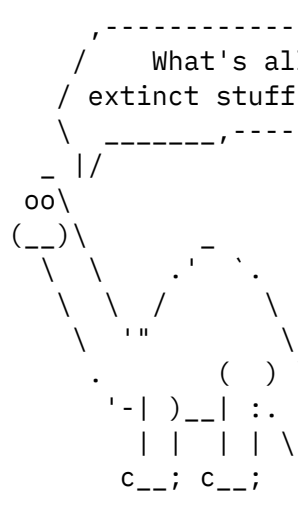
>>> some of us get to act normal.

WHAT, a ham normal ? A QRP'er normal ?
I thought being CRAZY was a requirement!

73, Red K5VOL

Date: Tue, 13 Oct 1998 08:55:49 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [22191] Bay Area Activities
Message-ID: <Pine.BSI.3.96.981013085320.6803D-100000@usr05.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

To the Group:
     I'm going to be in the San Francisco Bay Area this coming weekend until noon on Tuesday to present a paper at RF Design 98 in San Jose Tuesday morning. I was intersted in finding out if there are any flea markets, etc., in the Bay Area this weekend that would be worth looking into. I'm already inteding to do some serious book hunting and visiting the Jeremiah O'Brien (this weekend is steam day).



Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Tue, 13 Oct 1998 09:14:40 -0700
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
To: k7gt@qsl.net, qrpl <qrp-l@Lehigh.EDU>
Subject: [22192] Re: LM386 question
Message-ID: <36237C70.3D7DE021@email.mot.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Perhaps another avenue to pursue: Get better headphones. I myself have seen a big difference in the audio output in different models. As a result of some of the past discussions in this group, I have been noticing the sensitivity specs on the back of headphones,

especially the lightweight "walkman" types.

The worst I see is an output of 95 db something or other (spl?) per mw, and the best is about 108 db, with a typical headphone running around 100.

The sensitivity specs are particularly important if you like the large padded headphones. They typically seem to run only 90 db/mw, although I have seen a few that are also up near 108. However, I am somewhat suspicious of these, as they tend to have an impedance in the 40 to 90 ohm range. That is great for higher impedance op-amp driven outputs (like I like to use), but not so great for low impedance ouput LM386s, since more output voltage will be needed to get the same amount of sound.

If you pickup one of the 108 db/mw types, there is a good chance that you won't need to mess with your output stages.

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQPRions

>All three of my little rigs have an LM386 audio stage. As it turns out,
>my hearing is just enough down so that the output level on one is not
>quite sufficient at full bore (SST/40, in particular). I have read in
>QRPp and elsewhere of feeding the LM386 audio stage from the +12V supply
>directly rather than through the regulator to get more power out.

Date: Tue, 13 Oct 1998 12:24:48 EDT
From: Shephed@aol.com
To: qrp-l@Lehigh.EDU
Subject: [22193] Re: QRP Events
Message-ID: <bda29254.36237ed0@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Can you say Hamvention? :-)
How about QRPvention....

72
Dan, N8VZU

Date: Tue, 13 Oct 1998 12:32:36 -0400
From: Scott Howell <whowell@hq.nasa.gov>
To: qrp-l@lehigh.edu
Subject: [22194] question on sending mail to
Message-ID: <3.0.5.32.19981013123236.007fcb30@mail.hq.nasa.gov>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

    not Qrp related, but if anyone knows how to send mail to radio.swap.rec
using a mail prog like Eudora, would you send me a message off list?
tnx
72/73 de Scott/n3byy
Laurel MD

Date: Tue, 13 Oct 1998 11:37:25 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <whowell@hq.nasa.gov>, "'Low Power Amateur Radio Discussion'" <qrp-
l@Lehigh.EDU>
Subject: [22195] RE: question on sending mail to
Message-ID: <000001bdf6c7$c349a430$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There are several email to usenet gateways. Check out
http://www.sabotage.org/~don/mail2news.html

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Scott Howell
> Sent: Tuesday, October 13, 1998 11:33 AM
> To: Low Power Amateur Radio Discussion
> Subject: question on sending mail to
>
>
>   not Qrp related, but if anyone knows how to send mail
> to radio.swap.rec
> using a mail prog like Eudora, would you send me a message off list?

> tnx
> 72/73 de Scott/n3byy
> Laurel MD
>
>
>

Date: 13 Oct 1998 12:36:28 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: kd1jv@moose.ncia.net, qrp-l:;
Subject: [22196] Re: resonant speakers
Message-ID: <1998Oct13.123628-0400@[130.113.234.7]>

Steve Weber describes a (short) resonant speaker design that DOES work.
I found that a 2" speaker mounted on top of a tube (whose bottom
end is closed off) resonates about 750 Hz. Depth of tube is 1".
     But the resonant Q can be improved by using rigid materials.
I used aluminum tubing. Glass would be great too. PVC not so good.

     Another advantage: At resonance, the speaker impedance goes
UP. So Steve is probably right: if your rig can drive headphones, it
can likely drive one of these.
Glen VE3DNL   leinwebe@mcmaster.ca

In <3.0.3.16.19981010175934.2f0fec1a@mailhost.ncia.net>, Steven Weber wrote:
>I found I could push a 2" dia speaker almost all the way to the bottom of a
>plastic 10 oz drinking tumbler. Leave the bottom sealed.[...]

Date: Tue, 13 Oct 1998 09:36:57 -0700
From: David Shalita <af389@lafn.org>
To: "Ham-Homebrew@ucsd.edu" <Ham-Homebrew@ucsd.edu>
Cc: "qrp-l@Lehigh.EDU" <qrp-l@lehigh.edu>
Subject: [22197] help with 440 25w amp
Message-ID: <362381A9.EB4295F9@lafn.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Appologies to QRP-L group since this is not strictly QRP.

Sorry for such long note.

I am trying to service a 25 watt 3 transistor cascaded
440 RF AMP that only outputs 5 watts but requires 50watts DC power
input. Recently, before I began working on AMP to stabilize, AMP did
output 25 watts with about 60 watts input when driven from 1 watt 440
HT. Something has changed. I need help diagnosing
before I buy expensive replacement RF power transistor.

Output stage and Heatsink get hot FAST.

Output appears to not be able to resonant near 440mhz. Final stage is
broadband so cannot measure resonant freq, actually do know how to
measure with my limited test equipment.

Rather than use BW of these lists, private email is prefered.
There is more to story. Schematic is available as JPG file.

Thanks for any help. Glad to share findings with the list.
73, W6MIK
--
David Shalita (Dave)
af389@lafn.org
Van Nuys, CA

Date: Tue, 13 Oct 1998 12:44:25 -0400
From: "Laurent C. Lafond" <aa1qj@loa.com>
To: qrp-l@lehigh.edu
Subject: [22198] Re: Hamstick Dipole
Message-ID: <36238369.4FA3@loa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who answered direct or through the List.

Suspicions confirmed. Probably a high SWR. Have to
work on that one.

tnx es 72,
Laurent AA1QJ

Date: Tue, 13 Oct 1998 12:51:53 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: "QRP forum" <qrp-l@Lehigh.EDU>
Cc: "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [22199] More HW-8 tuning cap plates fall off
Message-ID: <199810131702.NAA10538@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There it is again, another HW-8 posting asking for help with the plates falling out. (Is there an electronic equivalent of Rogaine? Sure could use one!) And the usual response is to try epoxying them back, and no, exact replacement caps are virtually impossible to find. I actually did buy one directly from Heath, back in 1988 or so, but had to pay something like $15 for it! And of course that was back before Heath went out of the kit business and sold off all the inventory.

But here's a suggestion for someone who has the time to look into it. I have an HW-8 but not the time :-) There are two possible fixes. First, 365 pF variables are available once again as new items from a couple of sources (mentioned on qrp-l recently). They should be relatively simple to fit in, mechanically, and relatively little circuit modification would be needed to make it cover the approximate range of the current HW-8 VFO. It's not a drop-in replacement electrically since the capacitance is quite a bit different, but redesign of the tuned circuit is trivial. (Don't forget, TenTec used a similar cap in the VFO on their very first QRP modules and rigs.) The cost is something like $12 each for the caps, but at least they ARE available. And they aren't surplus stock, a source which can dry up and disappear--these are newly manufactured units.

The second possibility, which really I'm surprised no one has suggested over the years, is to rip out the remains of the variable cap and replace it with a good quality potentiometer, a tuning diode and new tuned circuit components. You'll sacrifice the "purity" of the rig but at least it will still be functional. This approach is fairly trivial, technically, since a large number of QRP rigs have been using exactly this tuning method for many years; NorCal, OHR, Small Wonder, the K9AY rig from A&A, etc. The technology is well established.

73 and queue our pea DE WA8MCQ wa8mcq@erols.com

Date: Tue, 13 Oct 1998 17:08:13 -0700

From: "Barnaby J.O'Leary" <barnaby@ap.net>
To: QRP-L@Lehigh.EDU
Subject: [22200] Sick 1000-D
Message-ID: <3623EB6D.1D36@ap.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High Gang:
Does anyone else have this same problem? My FT-1000D generates Strong noise when the Antenna Tuner repositions (i.e.when the yellow light is on). This noise can be read on the S-meter as about S-5 on lower bands and up to S-9 on 10 meters. I returned the unit to Yaesu, who told me that ALL YAESU FY-1000Ds have this condition and that mine is just slightly worse. They said they have referred this non-problem to HQ in Japan and are
awaiting instructions. None of my Kenwood radios, costing much less suffer this.
I am requesting comparative feedback from other Ft-1000D owners. Thanks in advance.

72/73

Barnaby KQ6EX

Date: Tue, 13 Oct 1998 17:20:57 GMT
From: n4js@pobox.com (John Sielke)
To: qrp-l@Lehigh.EDU
Subject: [22201] Bikini-clad Sumo Wrestling Babes-QRP, really!
Message-ID: <362f8b2c.337332059@mail.snip.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I must thank an anonymous donor for that subject line...I'll email you privately to let you know what it will cost to stay anonymous..

Now I have your attention, All the "FS-QRP rigs have been sold with the exception of the 15M OHR 100. There has been a nibble on it, but if it doesn't sell, I'll keep it anyway. Thanks for the responses. It's nice doing business here and hope everyone is happy with their new rigs.

72/73
  _   _   _   _ =20
 / \ / \ / \ / \   John L. Sielke n4js@pobox.com n4js@qsl.net
(N)(4)(J)(S) NJ Grid:FM29LN http://www.qsl.net/n4js
 _/ _/ _/ _/   NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
  G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

Date: Tue, 13 Oct 1998 13:22:18 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [22202] Re: More HW-8 tuning cap plates fall off
Message-ID: <36238C4A.1F50@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike Czuhajewski wrote:

The tuning capacitor in my HW-8 (yes, "that" HW-8 :-)) met with the
same fate. I used 5-minute epoxy and haven't had a lick of trouble with
it since. Of course, I have been more careful tuning it when I am at
the stops. :-)

73,
Ed, W1RFI
ARRL Lab

Date: Mon, 12 Oct 1998 12:59:34 PDT
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: nestoji@home.com
Cc: qrp-l@Lehigh.EDU
Subject: [22203] Re: HB PCBs
Message-ID: <199810121959.MAA12118@pal.ECE.ORST.EDU>

Jim,
  Some food for thought.

  Producing a good PCB can be a tough job. If you want a pretty project,
  and its completely debugged and perfected, and you will never want to

change it, maybe, maybe, then you want a PCB.

For almost any other situation, I would strongly reccomend the time-honored "dead bug" method of building circuits. Its fast, cheap, works better than most PCBs since it has a continuous ground plane, can be denser (three dimentional wiring) and can be made to look pretty. You can change or modify it ten times and it looks no uglier.

Successfully doing dead bug construction is more difficult with SMD. I have done it with .050 and .025 lead spacing so far. At .025 however, its a bear!

About lining DIP holes up.... When you make your resist pads, make sure the hole is in the pad, i.e., the pad is not solid (a donut) . When etched, the copper-less area in the center of the pad naturally guides the drill bit to the center.

Good luck,

Roger Traylow
WB4TPW

> After lots of fiddling around and wasted materials, I've managed to produce
> a reasonable clean (yet simple) PCB layout, transfer it to the copper and
> etch it. I figure the job is about half done now. (nothing magic, just
> software, lazer toner, and ferric cloride --- and practice...and patience).
>
> Remaining issues include: drilling, tinning, and solder masking. That's why
> I've come again to the QRP "Well of information".
>
> I am using a Dremel mototool in a small drill press with a carbide PCB
> drill bit. For most moderate sized pads it's no problem to eyeball it and
> get a decent hole drilled. The problem is with the very small pads and
> precise alignment needed for ICs like PIC microprocessors. Any suggestions
> on how to line those puppies up?
>
> I've got a baggy of Tinnit which should do the job, just haven't tried it
> yet. Anybody done that and have suggestions?
>
> The last item is solder masking. Guess I can get by without it, but it sure
> is nice to keep down the blobs and bridges. What is that stuff the pro use
> on their PCBs? is there some kind of anti-solder paint I could apply with a
> small brush before or after I clean the etch rsist off the pads?
>
> So far, I've spend lotza $$$ and time developing a process to make a PCB I
> could buy fo less than $10. Ain't this fun?

>
> 72,
>
> Jim,WK8G/2
> nestoji@home.com
>
>
>
>

Date: Tue, 13 Oct 1998 10:56:56 -0700
From: "Allan (Grant) Taylor" <k7gt@qsl.net>
To: qrp-l@lehigh.edu
Subject: [22204] LM386 question answered
Message-ID: <36239468.299D@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I received several varied replies on the LM386 question I posed yesterday. Those most pertinent to the question concur with my supposition: raising the voltage doesn't increase power output, per se. A higher Vcc does allow wider swings in the case of high input signals. So, on that basis rerouting Vcc rather than regulated (+8V in my case with the SST) to the chip may help a little on strong signals. Another suggestion (WE6W) was to put in a HUGE capacitor across pins 1-8. It would seem the effect of that would be to make sure the internal biasing network is REALLY out of the picture.

Two posts suggested I look for higher sensitivy earphones. I had done that recently, purchasing some Sony headphones with 108 dB/watt sensitivity.

I plan to also widen the filter bandwidth a bit on the SST.

I will post results of experiments done in the upcoming months.

BTW: 10 was hot yesterday. I worked 5 new countries (not QRP) over the lunch hour toward 10m portion of 5B DXCC. It was interesting to note that 3 of those 5 I had worked previously on 40m and were part of my DXCC on 40M CW. I also overheard AC5DK work EA8/DJ4EJ. The AC5 was running 5W to a new 'hybrid quad'.

--
73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: http://www.qsl.net/k7gt/index.html

Date: Tue, 13 Oct 1998 14:21:46 EDT
From: KB9OCE@aol.com
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [22205] Art Bell Update!
Message-ID: <74a96beb.36239a3a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Our "Man of Mystery" has quit broadcasting...guess our desire to have him do more programming about ham radio scared him more than the Chupacabra! Check out his website for details:

<A HREF="http://www.artbell.com/artquits.html">Art Bell - Quits Broadcasting

</A>

On October 13th, at 2:55 AM, Art announced to his listening audience, he is quitting his talk radio show. The full transcript of Art's announcement is below. The web site will stay operational for as long as possible and may be the web site for what ever replacement forum comes along. I will keep you informed of any changes and will update the site with any new information. We'll all have to wait and see what Jacor/Premier Networks decides to do. (Good thing I didn't quit the day job!)

"You may recall about a year ago... I told you that there was an event, a threatening terrible event occured to my family, which I could not tell you about. Because of that event, and a succession of other events, what you're listening to right now, is my final broadcast on the air. This is it folks, I'm going off the air and will not return. And what I will tell you now is what I told you then. When the time comes when I can tell you what occurred, I will tell you, through the press, through the media, of one sort or the other. I will explain to you the entire thing, it's not that....."

It goes on for awhile after that...check it out.

73 de Mike

Date: Tue, 13 Oct 1998 11:36:33 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@Lehigh.EDU>
Subject: [22206] Pacificon Update Oct. 13, 1998
Message-ID: <01bdf6d8$67823fc0$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

3 more days until I leave for Pacificon, and I am going to be really snowed under the next couple of days winding up last minute details. So, I want to combine the info on the last two speakers, Paul Harden and Brian Kassel.

Paul Harden, NA5N needs no introduction to this group, so I won't give him one.   But I will talk about his presentation.   Paul will speak at 3:00 and his subject is:

Abrupt Coronal Event Triggered Solar Spectral Emissions and Resulting Time-Variant Geo Effective Response Phenomenon (or Solar and Geomagnetic Storms)

Paul will explain the general composition and classification of sunspots, solar storms, Radio Emissions from a Solar Flare, Type I, II & III bursts, Type IV Continuum Storm, Geomagnetic Storming, Solar Wind, Maximum Usable Frequency, Sudden Ionospheric Disturbances, Polar Cap Absortion Events and Coronal Streamers. He will also have some up to date information on the recent gamma ray storm. Paul is a very entertaining speaker, and I want to warn you now that if you don't like to laugh, don't attend this session.

Brian Kassel, W5VBO is from the Arizona ScQRPion QRP Club. He is the one who does the N7VE SWR Bridge Indicator (LED SWR METER) kit production for the club. Brian announced yesterday that he will have a special also on the Arizona Clubs newest kit which is an antenna kit that fits into a chalk line winder. There will even be a special half price deal on the 40 sets that he is bringing to his talk. $5 what a deal.

Brian will be talking on Hints and Kinks for QP Field Operations

Introduction:
     Why do we do this field stuff, anyway?
    Bubba, FYBO, QRPTTF, etc.
Power Plays

    Ideas for compatibility
    Solar Power
    Getting All charged up
    Preventing ze arcing and de sparkeing
Antennas:
    Up, Up and Away
    My Favorite Antlers
    My Number 1 Favorite
In with the Good Waves, out with the Bad:
    Antenna Tuners: Accessories after the fact
Storage of Items
    Your little bags of tricks
    At the risk of being redundant
    Bungies are not just for jumping
 Our Motto: Be Prepared
    A little Pain Now Avoids a Lot of Sorrow Later
 Operating:
    Up your frequency, fella
 How I love to be duped
    Duping with the HP-200X
After the Ball is over
    Learn by your mistakes
    The single, most important, penultimate item

Brian is a very active contester in the qrp contests. He loves to operate "in the field". Be sure to take advantage of this opportunity to learn from his experiences. See you at Pacificon, and remember, NO additional charges for the QRP events. NorCal is giving away 200 copies of the 146 page compendium and a set of the G3RJV Six Pack boards to qrpers who attend. Qrp Open House Saturday night featureing 3 Building Contests, K5FO Unlimited, NorCal Transistor Transceiver, and the K8FF NorCal Paddle building contest. Also, Elecraft will be drawing the winner of the K2 kit at 9:00 PM at the Hospitality Room, located on the bottom floor of the lobby of the Sheraton Hotel. Prizes for the Building Contests include: Two 44 Magnum Kits (donated by HB Electronics), SW40+ Transceiver with Case (donated by ARCI), NorCal 20 (donated by NorCal), Blue Sky Engineering Digital Counter Clock Kit (donated by Mike Gipe), Gusher Antenna Kit (donated by Joe Everhart), Two Bill Jones KD7S PVC Cabinet Kits (donated by Bill Jones), Two Joy of QRP Books (donated by Ade Weiss), Two NA5N Handbook for Homebrewers (donated by Paul Harden), and NorCal Logbooks (donated by NorCal). Please note that all of the prize donations were iniated by the prize donors. We did not ask anyone for donations, but we do appreciate the support that the various vendors have shown NorCal and Pacificon. We do not want to put the "arm" on anyone for a donation.

We also want to encourage everyone to bring at least one homebrew project to the open house Saturday night. We want to stack them up and take a picture to show the world that people still build homebrew equipment. Please help

us out. See you this weekend.

72, Doug, KI6DS

Date: Tue, 13 Oct 1998 11:46:15 -0700
From: gsurrency@juno.com (Gary L Surrency)
To: qrp-l@lehigh.edu
Subject: [22207] Art Bell's show is QRT
Message-ID: <19981013.114616.13310.1.gsurrency@juno.com>

Gang,

Sorry for the bandwidth, but Art is leaving the show as of last night. I didn't listen to it, but heard a clip today from last night's show on a local radio station. Some questions remain about the future of the show without him, and I haven't checked his website yet, but last night *was* his last show.

This does not appear to be a hoax, or publicity event.

Hope the discussion here on QRP-L wasn't part of the conspiracy to chase him away! ;-)

Oh well. Maybe he is taking time off to work QRP. Or, perhaps he is going to Pacificon. :-)

We now return to normal (?) QRP topics..........

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

Date: Tue, 13 Oct 1998 13:03:38 -0600
From: Lou Martin <lmartin@uswest.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22208] Re: HW-8 main tuning cap problem

Message-ID: <3623A40A.3E21706@clsp.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi QRP GANG,

My HW-8 was fixed by replacing the tuning cap C302A with one I bought at a hamfest. I mounted it on a 1.125" square aluminum plate by its shaft collar/nut. I drilled 3 holes in the plate that matched up with the mounting holes in the original tuning cap, and secured the assembly to the original mounting bracket with suitable spacers (small nuts) to line up with the reduction drive. I also replaced the trimmer C302B with a small plastic trimmer.

I removed one of the plates from the new cap and retuned L9/C302A to get into the ballpark. The bandspread is about 255 khz. I plan to replace the trimmer with a small unit to make alignment easier. My schematic shows C302A is a 6.2-17.2 pf
variable.

I have a big time problem with foreign broadcast overloading 40M.
What's the best fix?

72, LOU
KC0BBE
Monument, CO

PS: Too busy to fine tune the rig right now. Getting ready for a Boy Scout Jamboree at Fort Carson. There's supposed to be a JOTA station there, but if our campsite is near some trees, I'll also be on the air this weekend.

Date: Tue, 13 Oct 1998 12:12:00 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [22209] ScQRPion Antler Pics and Info
Message-ID: <3623A600.9FC09025@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue:

  I have added a picture and detailed information to my web Page
for the new ScQRPion Antler Portable Wind-up Antenna that we are
offering.

After clicking on the address below:

http://www.dancris.com/~bkassel/index.htm#top

Click on the line:

ScQRPion Antler Portable Wind-up Antenna

To see the page.

Brian W5VBO

Date: Tue, 13 Oct 1998 19:30:18 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22210] Thankyou! Pacificon.
Message-ID: <3623AA4A.63BF@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang, I haven't read the list today and hope I'm not adding
to the QRN, so delete now if you wish.

I have received at least 40 private emails appreciating my
enthusiasm in yesterday's post where I stated that I "MIGHT"
get a ride to Pacificon. Status of the ride availability is
still Maybe and I won't know for sure until Wednesday or Thursday.

I have privately responded to all of the kind email received. If
I missed anyone, maybe it is at my other account. I am very
grateful to know you care.

I was truly convinced I had erred in my post in that it was
about me, my life, and "who" could possibly be interested in
Ed. These thoughts did not exist prior to the one response
I received -- and I felt devalued after reading his complaint.

But I now realize we have spent 20 months together and I once
again feel appreciated by the many that I have helped, and
have helped me.

Thank you all for providing clear skies and a bright sunny day
in which to operate QRP.

I'm B-A-A-CK!
I've got Teflon! And I know how to use it. :)

Smilin' o<|E^D= (With Pacificon Party hat and Goatee +Zombie badge#106)
--
72, Ed WE6W (CW only/VP-0); http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 13 Oct 1998 20:06:51 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [22211] Resonant Speakers
Message-ID: <3623B2DB.2154@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fellow Hi-Q audio enthusiasts:
 (Apologies if other posts proves this obsolete.)

Before I got my ham license I had always been a tinkerer.
One such project I built that involved resonant tubes was:
"Build the Shotgun Sound Snooper".
[June 1964, Popular Electronics pages 51-54,84]
Similar, yet much more selective to Parabolic microphones,
this device could isolate weak sounds, from as far away
as 300 yard or more.

I did indeed build the project and found it fascinating.
In fact, I was working in the LAB here at HP measuring a
sampler front end performance when a Ham Op in the area
heard I had built the device a few years ago. The lab
guys liked it so much, it took me 3 months to get back!

Anyway, this all boils down to resonant speakers and
what one should commit to memory.

#1) The speed of sound varies, but I use 750 MPH for experimentation.
We want to know how many inches of pipe at 700 HZ?

The brain thinks... 750 miles in 60 minutes. How many miles per minute?
750/60=12.5 miles per minute.
Miles per second?
12.5/60=.208333 miles per second. (Remember Thunder? 5 seconds = 1 mile?)
Feet per second? [1 mile=5280 feet]
5,280 * .208333 = 1100 feet per second.
*** Wavelength (audio)=Velocity/second divided by Frequency(HZ)
Wavelength(700HZ)= 1100/700=1.57143 feet.
Which in inches is 1.57143 * 12=18.857 inches.

<QED> 1/4 wave=18.857/4=4.71428571 INCHES!!! EASY MATH.

No complicated formulas. Just start with speed of sound is 750 MPH and convert to miles per minute; per second; feet per second; inches per second.....
Or commit to memory 1100 Feet per second for sound at sea level.

#2) The larger the diameter of the TUBE, the LOWER the Q. So huge speakers are not the answer. Nor are 4 inch tubes. But that is subjective. The selectivity skirt you are after might dictate a 4 inch diameter tube. But for CW use and tight bandwidth and good selectivity, a 2 inch pipe is good.

Compliance is the issue here. The walls flex more, the air heats up, etc. All lower the Q of the resonant speaker. One QRP-l member actually machined out an aluminum cylinder with fantastic results! (Results may vary :) :)

#3) A smaller speaker has a higher resonant frequency. Start with one that already works well, providing a 'natural' preference for 600 to 800 HZ and you are already inproving the odds you will have an excellent resonant speaker system for CW.

#4) Preserving the Q. Minimize coupling to surrounding objects. Like the dinner bell. Doesn't sound the same if you hold the glass bell housing.

Back on the Sound Snooper. It uses 3/8 inch copper tubing and uses the

formula, 1 wavelength (Audio)=1100 feet/Freq(Hz).
  NOTE:See! The formula above checks out!

However, instead of 1/4 wl. tubes, they use 1/2 wl. tubes and take the audio selective outputs at the rear of the device, collected by a cone withing which is a Ceramic microphone epoxied, the mic. leads exiting out the small rear spout. Quite air tight after sealing with epoxy and the audio pressure from each tube combines inside the cone. IT works very well. I listened to a bird chirping in a tree, across the HWY and about 300 Yards away! With nary a hint of sound from the traffic whizzing
along below the bird.

I have since dismantled my resonant speakers having the very loud Drake TR-3 as my station rig, and I accepted the challenge to live withing the 2.1 KHz passband of this SSB optimized rig. But I do use my Tobacco-Tin speaker when out in the field. It ain't pretty, but then most of what I build is experimental and for fun.

Fun has been my greatest profit. And I hope some of you buy into it too.

I hope this is useful.

My best to all es "72" de WE6W/QRP smilin' ED.

--
72, Ed WE6W (CW only/VP-0); http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 13 Oct 1998 13:10:13 -0700
From: "Frank Grigaliunas" <fgrig@iea.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [22212] Re: NorCal 20
Message-ID: <199810132010.NAA09167@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all who answered my offer. I have made a deal with a man from Alaska, so I send my apologies to the rest of you. I hope you can find one elsewhere.

--Frank

       Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201
   fgrig@iea.com -=*=- (509) 326-7147 -=*=- http://www.iea.com/~fgrig/
         "The Internet doesn't annoy people. People annoy people"

Date: Tue, 13 Oct 1998 14:27:18 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [22213] SCAF Filter in QQ?
Message-ID: <199810132035.OAA13838@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Someone recently posted a note about a SCAF filter project in QRP
quarterly. Can I have the citation again please?

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
http://www.MorseX.com
(303)752-3382
--

Date: Tue, 13 Oct 1998 15:39:07 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-l@Lehigh.EDU>, QRP-Canada <qrp-canada@lists.gpfn.sk.ca>
Subject: [22214] Team Scores
Message-ID: <Pine.LNX.3.95.981013152014.19188A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....here are the Team scores with the latest posting from the WQ8RP fox
run...of course these scores are subject to change depending on changes
which may or may not be made to the fox log...plus I am very good at
making mistakes...HI HI...please let me know :-)

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683
"QRP! How sweet it is!"

****
The 40 mtr Fox Hunt Team Scores
****

...the Kentucky Porch Houndz - 1.500 - lucky hound was KA8OKH

...the Houston Hounds - 1.400 - lucky hounds were K5ZTY & W5SB

...the Underdogs - 1.250 - lucky hounds were AB7CE & KI0II

...the Swords - 1.160 - lucky hounds were N8VAR, N4JS & N2WF

...the Vibro-Fox Finders - 1.000 - lucky hounds were WE6W, WB5QYT & K2VCO

...the Fox Nabbers - 0.999 - lucky hounds were K0EVZ & W0CH

...the Northern Lights - 0.666 - lucky hounds were VE6EWM & VE5RC

...the Team Apathy - 0.333 - lucky hound was K7TQ

...the Texas Tarantulas - 0.250 - lucky hound was AB5WX

...the Brass Pounders - 0.250 - lucky hound was KK5LD

...the Jersey Diddles - 0.200 - no luck this time

Date: Tue, 13 Oct 1998 14:58:10 PDT
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: qrp-l@Lehigh.EDU
Subject: [22215] K5FO email address?
Message-ID: <199810132158.OAA28555@pal.ECE.ORST.EDU>

Gang,
  Can somebody give me Chuck's new email address?

  Thanks in advance,

  Roger Traylor

WB4TPW

Date: Tue, 13 Oct 1998 22:07:56 +0000
From: Ed Loranger <we6w@qsl.net>
To: k7gt@qsl.net
Cc: qrp-l@Lehigh.EDU
Subject: [22216] RE: LM386 question answered
Message-ID: <3623CF3C.5A5E@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy Alan et. al: You got this a bit wrong :)
I mentioned that the 220 to 470 uF Electrolytic
go from the +V input to the LM386 and Ground.

Not the 1/8 pin feedback network.....

I hope this opens up some ideas for you.

GL OM.
-Ed

K7GT mentioned:

A higher Vcc does allow wider swings in the case of high input signals.
So, on that basis rerouting Vcc rather than regulated (+8V in my case
with the SST) to the chip may help a little on strong signals. Another
suggestion (WE6W) was to put in a HUGE capacitor across pins 1-8. It
would seem the effect of that would be to make sure the internal
biasing network is REALLY out of the picture.
--
72, Ed WE6W (CW only/VP-0); http://www.qsl.net/we6w Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 13 Oct 1998 15:18:54 -0700
From: "ALAN KAUL" <alan.kaul@worldnet.att.net>
To: <qrp-l@lehigh.edu>
Subject: [22217] World-Famous Jim Cates!!!
Message-ID: <19981013221758.OJYO16714@default>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It had to happen sooner or later, the most deserving guy in Amateur Radio, "Mr. QRP, Jim Cates, WA6GER," has the cover on the November issue of WORLDRADIO (year 28, issue 5). Look for him at Pacificon, he'll probably have an autograph booth!

Good luck, Jim, you deserve it!

Alan Kaul, W6RCL, LaCanada, CA e-mail: w6rcl@amsat.org
http://home.att.net/~alan.kaul/index.html or
http://home.att.net/~alan.kaul/qrp.html

End of QRP-L Digest 1243
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